

Amendments to the Specification:

Please amend the paragraph beginning at page 5, line 17, as follows:

The central processing unit 115 further includes an instrumentation amplifier 170 connected to the input terminal 110. The instrumentation amplifier receives the multi-lead ECG signal, amplifies the signal, and filters the signal to create an analog multi-lead ECG. The number of leads of the multi-lead ECG can vary without changing the scope of the invention. An example lead of a multi-lead ECG is shown in FIG. 2. The lead 171 includes a cardiac cycle waveform 172 or ECG rhythm (see Fig. 23) and a cyclic artifact waveform 173 or cyclic artifact rhythm (see Fig. 4). A schematic representation 174 of the example lead 171 is shown in FIG. 5.